



Public Service Commission of Wisconsin

Daniel R. Ebert, Chairperson
Robert M. Garvin, Commissioner
Mark Meyer, Commissioner

610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

Public Service Commission of Wisconsin
RECEIVED: 08/15/06, 11:03:05 AM

August 15, 2006

Glenn Zimmerman
Regulatory Coordinator
American Transmission Company LLC
2 Fen Oak Court
Madison, WI 53718-8810

Re: Application of American Transmission Company, as an Electric
Public Utility, to Build a New 138 kV Transmission Line From the
North Madison Substation to the Huiskamp Substation in the
Towns of Vienna and Westport, and the Village of Waunakee,
Dane County, WI

137-CE-139

Dear Mr. Zimmerman:

The following are two data requests from Donald Neumeyer, the engineer assigned to this case.

DGN 1

Please provide the load demand information on the transmission buses used in the needs analysis for the North Madison to Huiskamp 138 kV line. Provide tables similar to D1, D2, and D3 from the 2003 model year series for the year 2012. Also provide the substation load data from the 2005 model year series for the year 2014. What type of load data and how often does ATC receive information from the load serving entities for forecasting growth on their respective distribution interconnections?

DGN 2

It has been suggested by the public that the use of the higher temperature rated Aluminum Conductor Composite Reinforced (ACCR) overhead conductor could negate the need for new transmission lines in the Dane County area. Please discuss transmission network design issues and the use of this type of conductor as a complete alternate design to the proposed project.

Thank you for your prompt attention to these questions and for a detailed response.

Sincerely,

/s/ Valerie Mellerop

Valerie Mellerop
Docket Coordinator
Gas and Energy Division

VCM:jlt:L:\construction\transmission\137-CE-139\letters\data request 8-15-06.doc